

FIG. 1

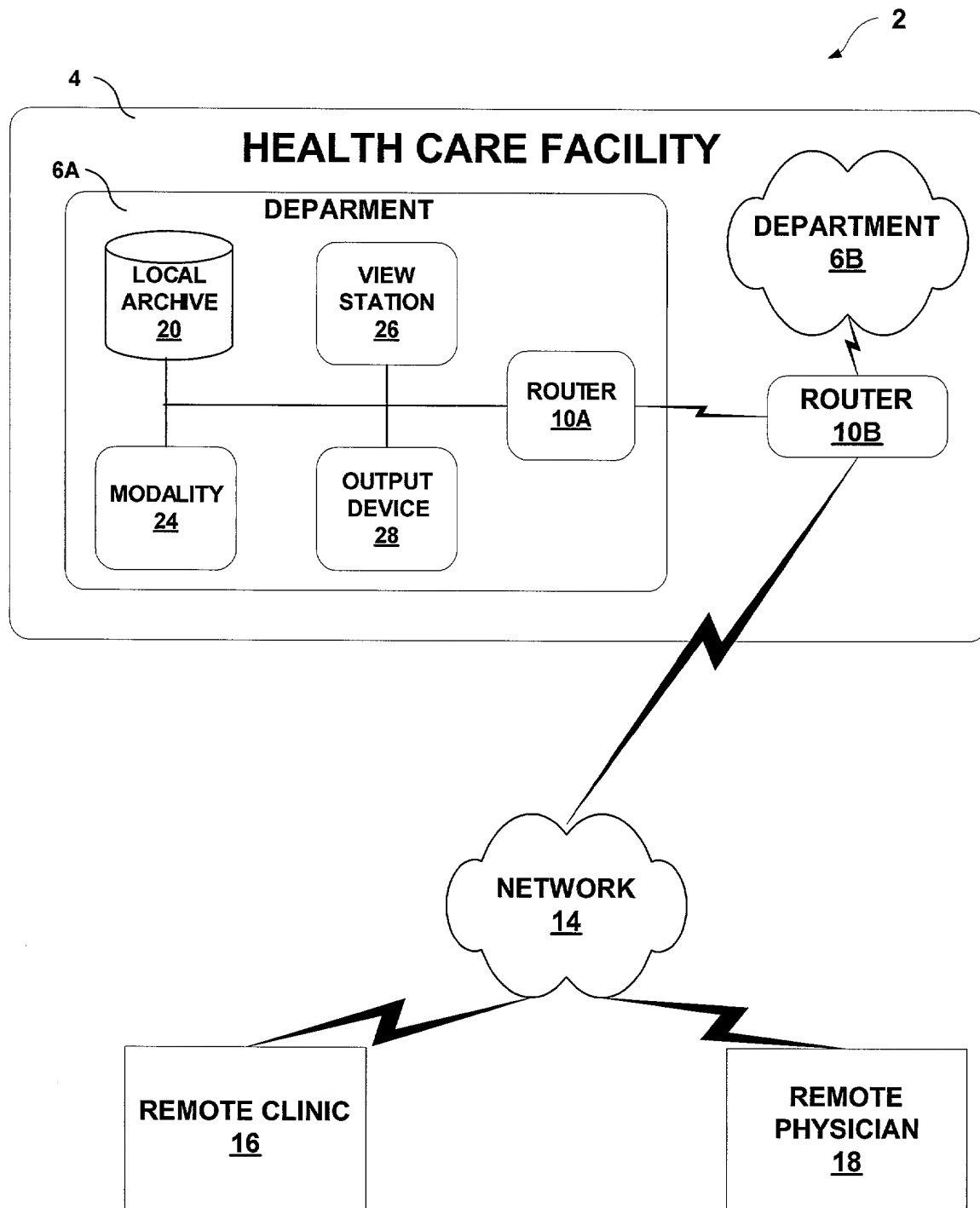
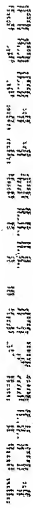


FIG. 2



Category	Sub-category	Value
General	1.1	1.1
	1.2	1.2
	1.3	1.3
	1.4	1.4
	1.5	1.5
	1.6	1.6
	1.7	1.7
	1.8	1.8
	1.9	1.9
	1.10	1.10
Specific	2.1	2.1
	2.2	2.2
	2.3	2.3
	2.4	2.4
	2.5	2.5
	2.6	2.6
	2.7	2.7
	2.8	2.8
	2.9	2.9
	2.10	2.10
Advanced	3.1	3.1
	3.2	3.2
	3.3	3.3
	3.4	3.4
	3.5	3.5
	3.6	3.6
	3.7	3.7
	3.8	3.8
	3.9	3.9
	3.10	3.10
Expert	4.1	4.1
	4.2	4.2
	4.3	4.3
	4.4	4.4
	4.5	4.5
	4.6	4.6
	4.7	4.7
	4.8	4.8
	4.9	4.9
	4.10	4.10

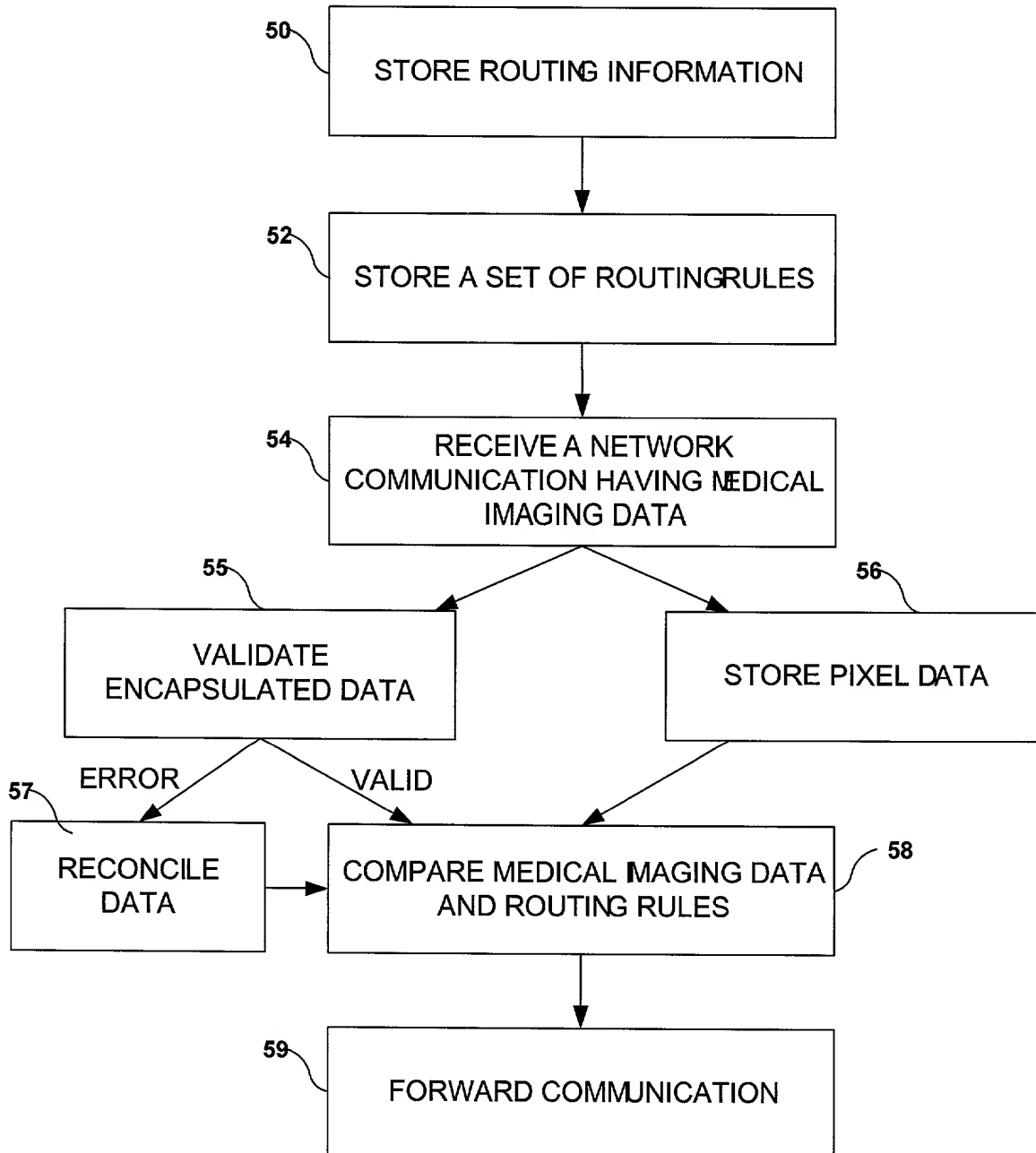


FIG. 4

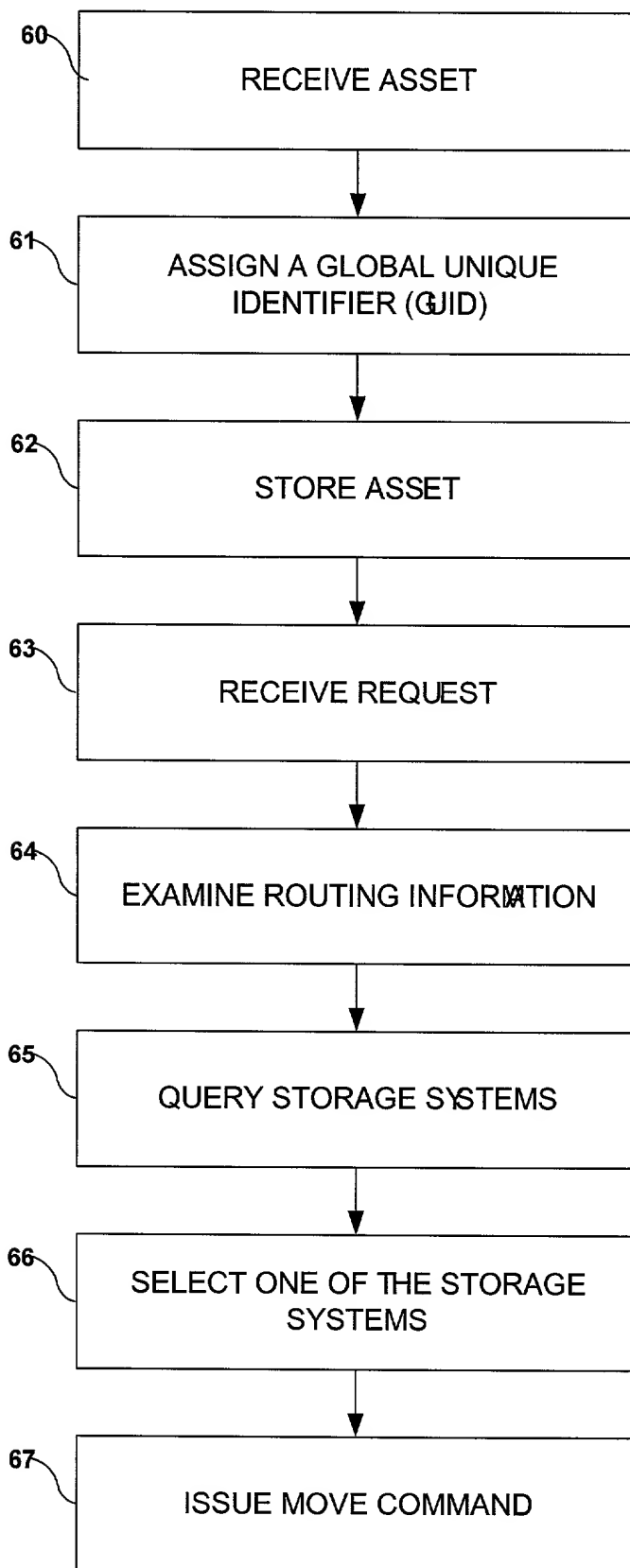


FIG. 5

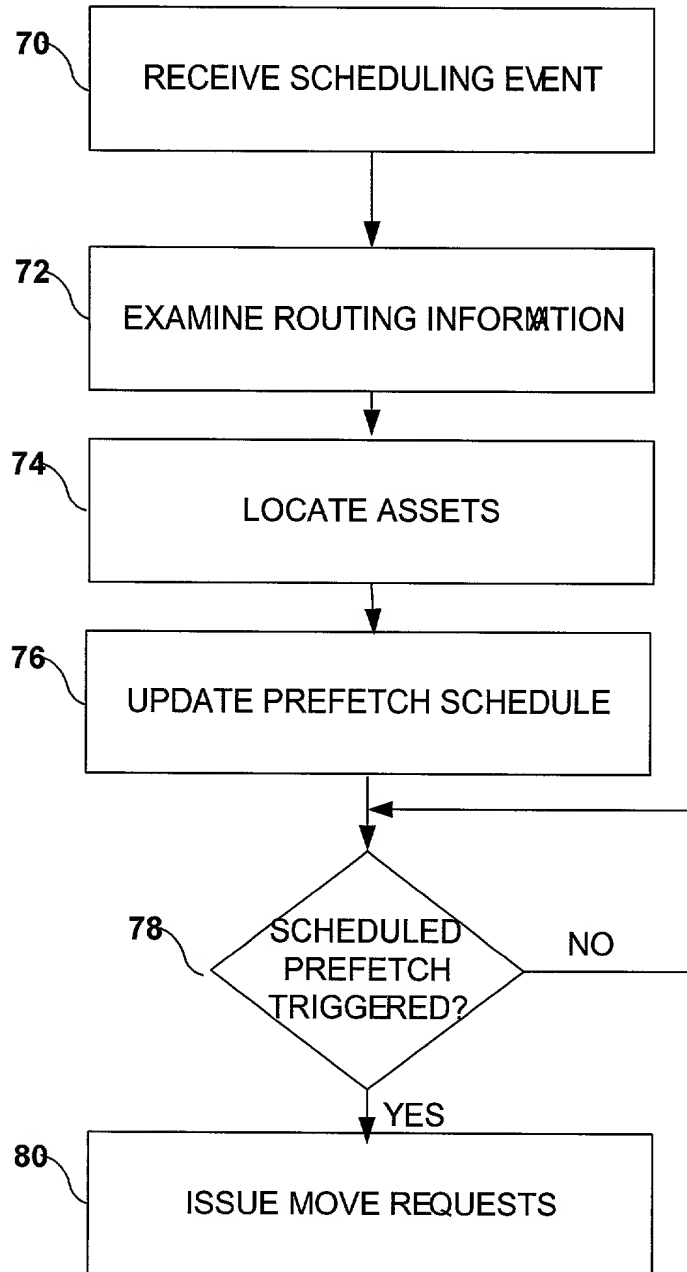


FIG. 6

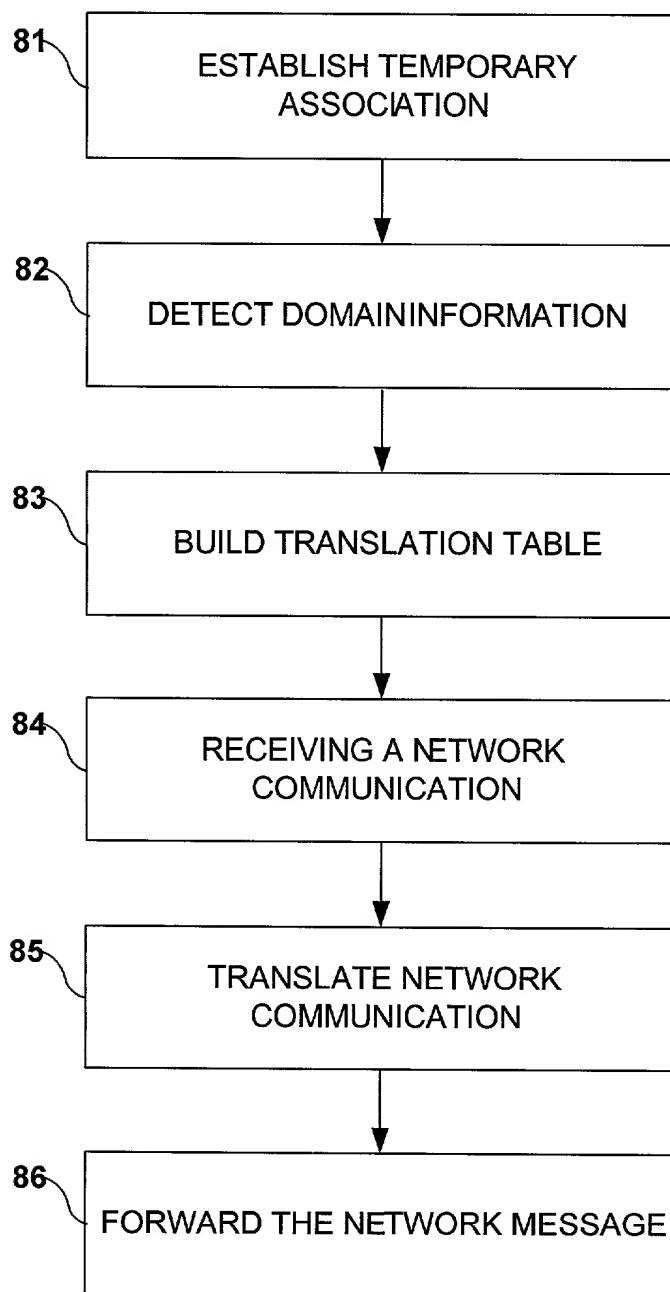


FIG. 7

STORAGE INTERCHANGE FORMAT

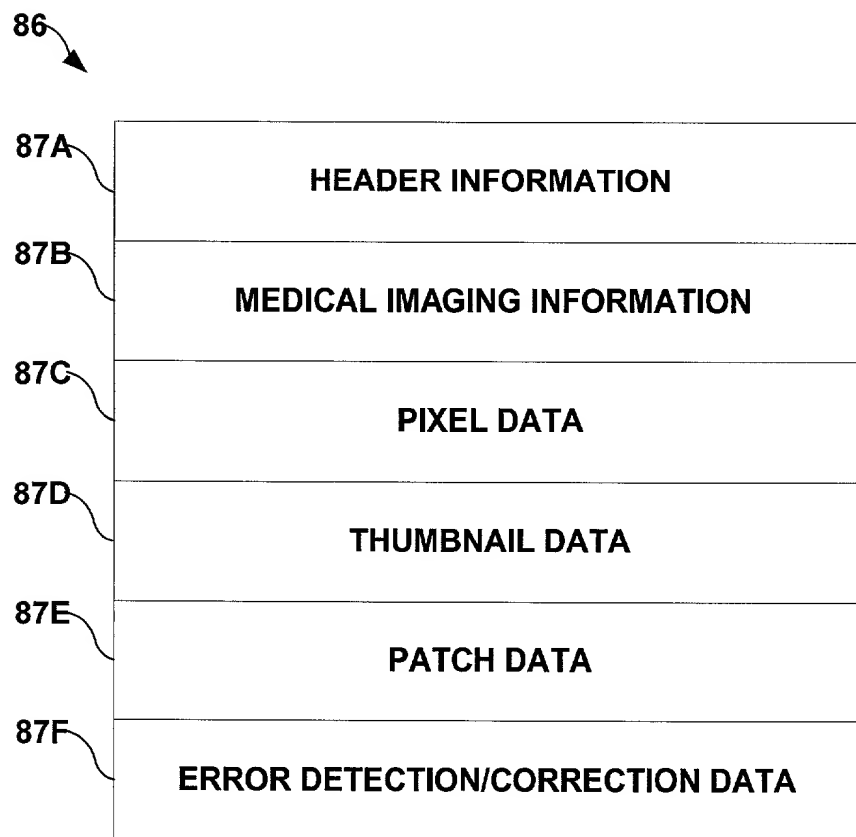


FIG. 8

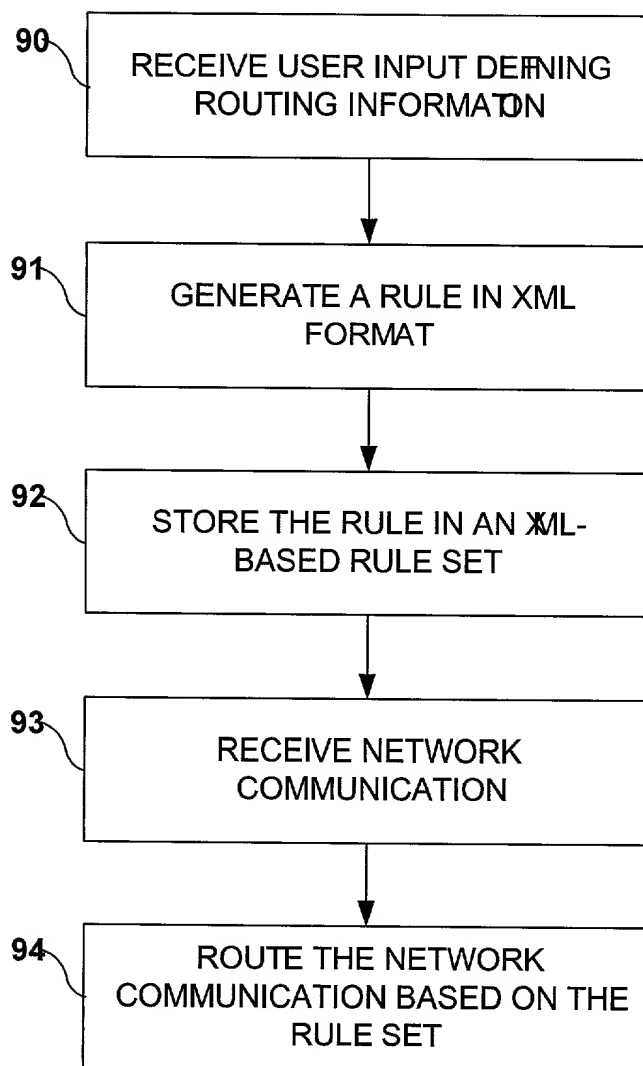


FIG. 9

96

Update Tag Rule Properties

Tag Rule: Tag Rule Route Mapping

97 Rule Name: Dr. Gendron

Right click on a tree node to build or modify the rule.

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AcuoRoute Rule Version=1 0

Tag=Current Time<Acuo><Reserved>

between

8:00:00 AM

12:00:00 PM

AND

NOT[Tag=Days of the Week<FFFF><0008>]

=

Thursday

Friday

AND

Tag=Referring Physician<0008><0090>

=

Gendron^Pierre^^

AND

Tag=Modality<0008><0060>

=

CT

MR

AND

External Scu[s]

<Host=10.220.8.106><CallingAENName=STORESCU><UID=1.2.276.0.7230010.3.0.3.4.0><Version=OFFIS_DCM TK_340>

FIG. 10

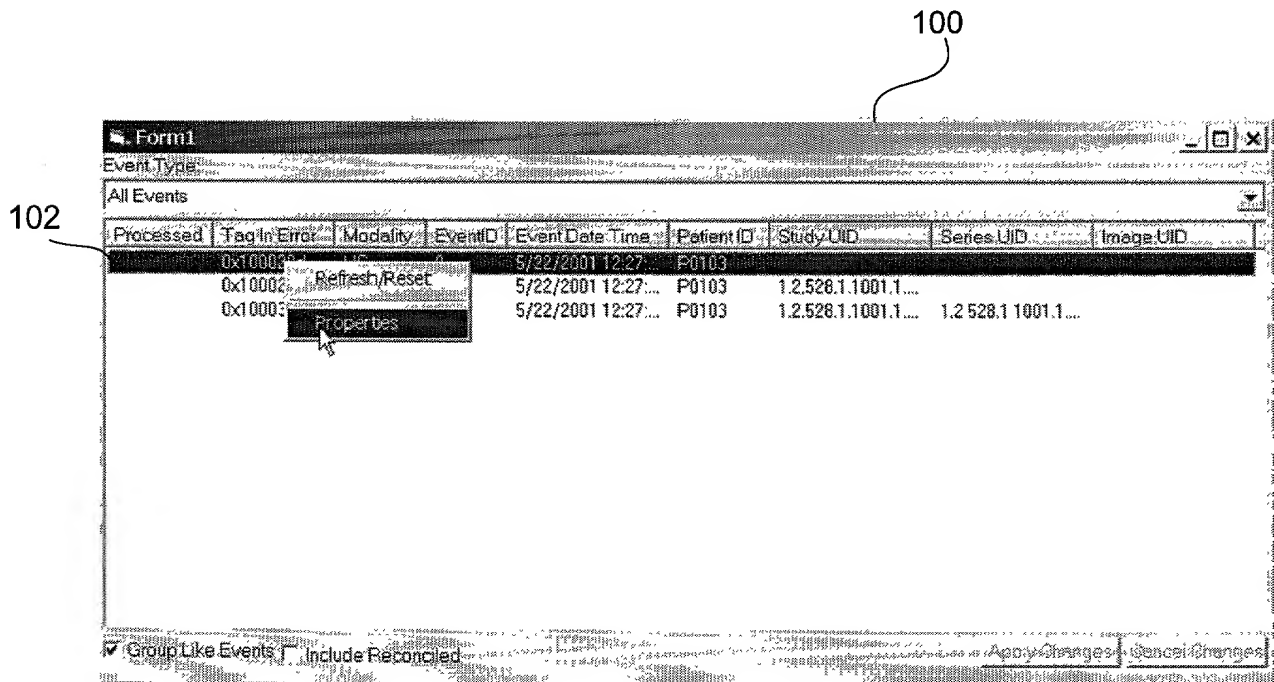


FIG. 11

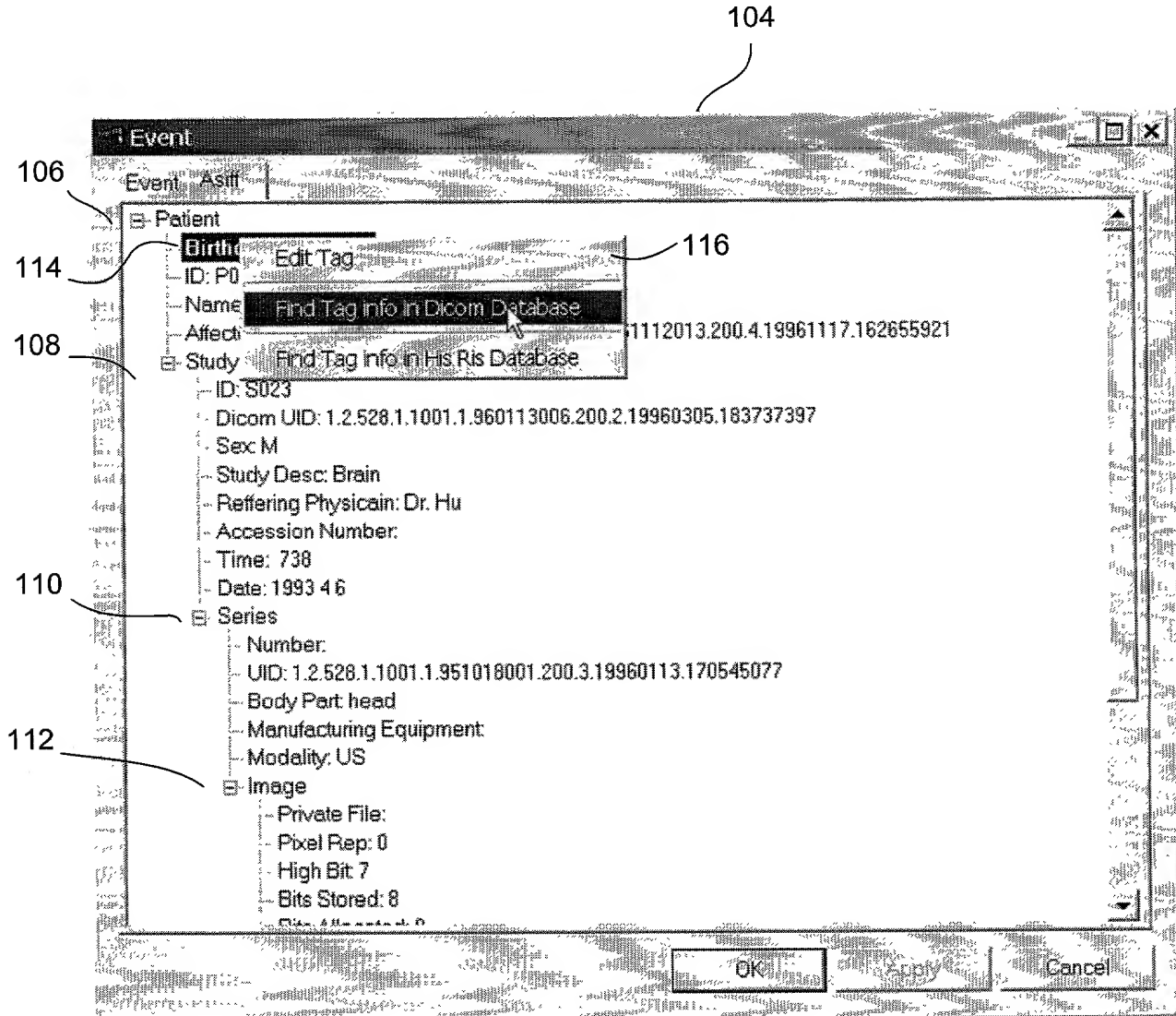


FIG. 12

120

Event: Asif

Patient

BirthDay: 1930 9 9

ID: P0104

Name: Christiansson, B.

Affected SOF Instance UID: 1.2.528.1.1001.1.19961112013.200.4.19961117.162655921

Study

ID: S023

Dicom UID: 1.2.528.1.1001.1.960113006.200.2.19960305.183737397

Sex M

Edit Tag Value

Tag Value

1930 9 9

OK Cancel

Body Part: head

Manufacturing Equipment

Modality: US

Image

Private File:

Pixel Rep: 0

High Bit: 7

Bits Stored: 8

OK Apply Cancel

122

FIG. 13

124

Patient Info		Additional Patient Info	
ID: F0104		Other Patient IDs:	R0103
General Patient Info		Other Patient Names:	John Doe
Dicom Family Name Complex	Christiansson, Jason B. Dr. M.D.	Medical Alerts:	None
Prefix	Dr.	Contrast Allergies:	Not available
First Name	Jason	Additional History:	
Middle Name	B.	Yes	
Last Name	CHRISTIANSSEN		
Suffix	M.D.	Comments:	
Birth Name	Smith	Test	
Birth Date	9/9/1930		
Birth Time			
Mother's Birth Name	Johnson		
		OK	Cancel

FIG. 14

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Image Info	
SOP Class UID	1.2.840.10008.5.1.4.1.1.6
SOP Instance UID	1.2.528.1.1001.1.19961.1.2013.200.4.1996
Key Image	0
Patient Orientation	NA
Number	1
Time	7:38:00 AM
Overlay Number	NA
Date	4/6/1993
Lut Number	NA
Series UID	1.2.528.1.1001.1.951018001.200.3.199601
Curve Number	NA
<input type="button" value="OK"/> <input type="button" value="Cancel"/>	

FIG. 15

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Series Info	
Modality	US
Device Serial Number	NA
Number	NA
Software Version	NA
Description	NA
Study UID	1.2-528.1.1001.1.960113006.200.2.1
Operator Identification	NA
DICOM UID	1.2-528.1.1001.1.951018001.200.3.1
Performing Physician	NA
Institution Name	NA
Secondary Capture Device ID	NA
Study Status ID	NA
Scheduled Station Name	NA
Manufacturer	NA
Requested Contrast Bolus Agent	NA
Manufacturer Model Name	NA
Contrast Bolus Agent	NA
Body Part	head

OK Cancel

FIG. 16

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Study Info		Patient Info at Time of Study	
DICOM UID:	1.2.528.1.1001.1.9601.1.3008.200.2.19960305.183732	Patient ID:	P0104
ID:	S023	Sex:	M
Time:	7:38:00 AM	Age:	NA
Date:	4/6/1993	Weight:	NA
Referring Physician:	Dr. Hu	Size:	NA
Reading Physician:	NA	Occupation:	NA
Accession Number:		Telephone Number:	NA
Description:	Brain	Address:	NA
Result UID:	NA	Country of Residence:	NA
Reason:	NA		
Modality in Study:	NA		
Admit Diagnosis:	NA		
Interpretation Author:	NA		

OK Cancel

FIG. 17

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Form1

Event Type

All Events

- All Events
- Image Database Mismatch
- Invalid Tag Value Character Set (Image Level)
- Invalid Tag Value Character Set (Patient Level)
- Invalid Tag Value Character Set (Series Level)
- Invalid Tag Value Character Set (Study Level)
- Invalid Tag Value Length (Image Level)
- Invalid Tag Value Length (Patient Level)
- Invalid Tag Value Length (Series Level)
- Invalid Tag Value Length (Study Level)
- Patient Database Mismatch
- Series Database Mismatch
- Study Database Mismatch

☒ Group Like Events ☐ Include Reconciled

FIG. 18

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Search Engine

Patient

General Info

ID:

Prefix:

First Name:

Middle Name:

Last Name:

Suffix:

Name Info

Christiansson, Jason

S023 (Brain)

US

1

2

3

4

5

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Add New Study

Edit Existing Patent

Delete Patient

Merge Patient

View Patient

Search

Advanced

Ok

Cancel

FIG. 19

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08002000	(0008,0020): Study Date. Decimal Tag: (0008,0032)
08000000	Tag Length: 8
3139393431323236	Tag Data: 19941226
08003000	(0008,0030): Study Time. Decimal Tag: (0008,0048)
0c000000	Tag Length: 12
3030303030302e3030303020	Tag Data: 000000.0000
08006000	(0008,0060): Modality. Decimal Tag: (0008,0096)
02000000	Tag Length: 2
4d52	Tag Data: MR
08007000	(0008,0070): Manufacturer. Decimal Tag: (0008,0112)
18000000	Tag Length: 24
5068696c697073204d65646963616c20	Tag Data: Philips Medical
53797374656d7320	Tag Data: Systems
08008000	(0008,0080): Institution Name. Decimal Tag:
(0008,0128)	
10000000	Tag Length: 16
444f4149204d454d4f5249414c204850	Tag Data: DOAI MEMORIAL HP
08003010	(0008,1030): Study Description. Decimal Tag:
(0008,4144)	
08000000	Tag Length: 8
432d5350494e4520	Tag Data: C-SPINE
10001000	(0010,0010): Patient's Name. Decimal Tag: (0016,0016)
12000000	Tag Length: 18
4d522f43205350494e452f5453452f32	Tag Data: MR/C SPINE/TSE/2
3536	Tag Data: 56
10003000	(0010,0030): Patient's Birth Date. Decimal Tag:
(0016,0048)	
08000000	Tag Length: 8
3139363430373331	Tag Data: 19640731
10004000	(0010,0040): Patient's Sex. Decimal Tag: (0016,0064)
02000000	Tag Length: 2
4d20	Tag Data: M

FIG. 20